Mila

Foutse Khomh

ASSOCIATE ACADEMIC MEMBER

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Research Topics

Data Mining, Deep Learning, Distributed Systems, Generative Models, Learning to Program, Natural Language Processing, Reinforcement Learning

Website

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Biography

Foutse Khomh is a full professor of software engineering at Polytechnique Montréal, a Canada CIFAR AI Chair – Trustworthy Machine Learning Software Systems, and an FRQ-IVADO Research Chair in Software Quality Assurance for Machine Learning Applications. Khomh completed a PhD in software engineering at Université de Montréal in 2011, for which he received an Award of Excellence. He was also awarded a CS-Can/Info-Can Outstanding Young Computer Science Researcher Prize in 2019.

His research interests include software maintenance and evolution, machine learning systems engineering, cloud engineering, and dependable and trustworthy ML/AI. His work has received four Ten-year Most Influential Paper (MIP) awards, and six Best/Distinguished Paper Awards. He has served on the steering committee of numerous organizations in software engineering, including SANER (chair), MSR, PROMISE, ICPC (chair), and ICSME (vice-chair). He initiated and co-organized Polytechnique Montréal's Software Engineering for Machine Learning Applications (SEMLA) symposium and the RELENG (release engineering) workshop series.

Khomh co-founded the NSERC CREATE SE4AI: A Training Program on the Development, Deployment and Servicing of Artificial Intelligence-based Software Systems, and is a principal investigator for the DEpendable Explainable Learning (DEEL) project.

He also co-founded Confiance IA, a Quebec consortium focused on building trustworthy AI, and is on the editorial board of multiple international software engineering journals, including IEEE

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Current Students

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Elnathan Tiokou Tiokou Fangang
Master's Research - Polytechnique Montréal
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Publications

Search Publications →

Equivalent Numeric Approved Identity of Passpo
Generation Identification Program (NGI) [A Shor

Memorandum, Notes on Visitations and Ongoing Proj

Nonvikan Karl-Augustt Alahassa, Bidossessi R.U. Alahassa, Julie Foutse Khomh, Leonard Wantchekon, Mylène Bédard, Emmanu Bakary Manga, Jérôme Théau, Victor M. Panaretos, David Haziz Christiane Rousseau, Maciej Augustyniak ... (see 8 more)

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making a submission to the Journa... (see more)

2026-07-17

Zenodo (unknown)

doi.org

Memorandum, Notes on Visitations and Ongoing

Nonvikan Karl-Augustt Alahassa, Bidossessi R.U. Alahassa, Foutse Khomh, Leonard Wantchekon, Mylène Bédard, Em Bakary Manga, Jérôme Théau, Victor M. Panaretos, David Christiane Rousseau, Maciej Augustyniak ... (see 6 more)

We are on the Refugee Claimant list in Canada. We woulc

2026-07-17

Zenodo (unknown)

The Project for Open Source Email Writing [or] Public Contributives Comments

Bidossessi R.U. Alahassa, Nonvikan Karl-Augustt Alahassa, Julie Cyriaque Atindogbé, Marlène Frigon, Christiane Rousseau, Mac Samuel Bassetto, Foutse Khomh, J. B. Chabi Orou, Raphael R. K Leonard Wantchekon, David Haziza, Emmanuel Stip, Mylène Bé

We express an interest to crowd collaborative writing projects f deserve updates and releases.

2026-07-17

Zenodo (unknown)

Memory of Some Plants and Special Medications

Nonvikan Karl-Augustt Alahassa, Bidossessi R.U. Alahassa Mylène Bédard, Nathalie Lacelle, Élise Vandomme, Bakary Dimitrios Koukoulopoulos, Leonard Wantchekon, David H Christiane Rousseau, Damien Échevin, Daniel F. Nadeau, E

We have Memory of Some Plants and Special Medication

2026-07-06

Zenodo (unknown)

Independence Day: A Poetry to Liberation -- In Memo

Nonvikan Karl-Augustt Alahassa, Leonard Wantchekon, Nathali Foutse Khomh, Suljo Linic, Dimitrios Koukoulopoulos, Mylène B Daniel F. Nadeau, David Haziza, Bidossessi R.U. Alahassa, Bakar Maciej Augustyniak, Emmanuel Stip, Julie Carrier

We would like to express few words of Gratitude to USA, as July

2026-07-04

Zenodo (unknown)

When Code Authors Are Agents: A Large-Scale St Requests

Anthonia Oluchukwu Njoku, Zohreh Sharafi, Foutse Khom

2026-07-04

ACM Conference on AI-Powered Software (published)

Measure and Integration

Nonvikan Karl-Augustt Alahassa, J. Tossa, Bidossessi R.U. Alaha Maciej Augustyniak, Dimitrios Koukoulopoulos, Samuel Bassett Bakary Manga, Victor M. Panaretos, Christiane Rousseau, David Mylène Bédard, Bruno Rémillard, Foutse Khomh, Suljo Linic ... (s

We have edited Some lines of Mathematics Notes about Lebes Aboubacar Marcos (abmarcos@yahoo.... (see more)

Special Dedication to Music and Songs Proliferation - [A short Note]

Nonvikan Karl-Augustt Alahassa, Bidossessi R.U. Alahassa, Christiane Rousseau, J. Tossa, Bakary Manga, Suljo Linic, Samuel Bassetto, Dimitrios Koukoulopoulos, Maciej Augustyniak, Bruno Rémillard, Nathalie Lacelle, Leonard Wantchekon, Emmanuel Stip, Jérôme Théau, Damien Echevin, Daniel F. Nadeau, Victor M. Panaretos, Foutse Khomh, Marlène Frigon, David Haziza ... (see 2 more)

This is a Special Dedication to Music and Songs Proliferati

An empirical study on logging evolution on stack overf

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A qualitative study on XAI techniques for Software

Saumendu Roy, Banani Roy, Chanchal K. Roy, Foutse Khomh

Context: Machine learning (ML) models are increasingly u defect-prone software modules. H... (see more)

2026-05-31

Information and Software Technology (published)

Simply the best – A systematic evaluation approach fo quality attributes

Rubén Saborido, Rémy Raes, Rodrigo Morales, Romain Rouvoy,

Abstract Mobile device applications (apps) are complex becaus libraries (TPLs). Yet, TPLs eas... (see more)

2026-05-07

Empirical Software Engineering (published)

1 2 3 4 5 6 7 8 9 ... 1 →

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Contact us →

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Website by Lima Charlie

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